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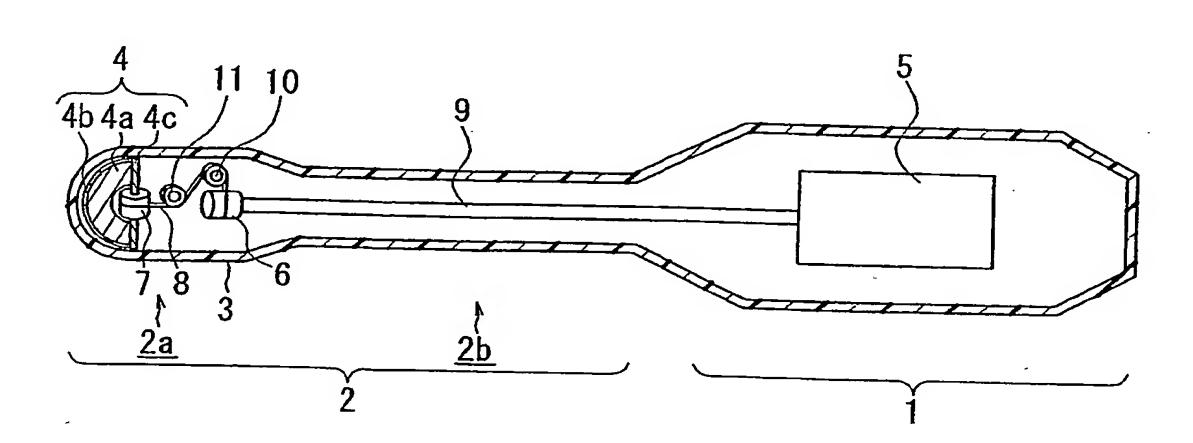
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国際調査報告書

2文字コード及び他の略語については、定期発行される 各PCTガゼットの巻頭に掲載されている「コードと略語 のガイダンスノート」を参照。

(54) Title: ULTRASONIC PROBE

(54) 発明の名称: 超音波探触子



(57) Abstract: An ultrasonic probe, comprising an insert part inserted into a body cavity and a grip part (1) held by an operator on the outside of the body cavity, the insert part (2) further comprising a vibrator unit (4), a rotating shaft installed in the vibration unit, and an oscillation mechanism oscillating the vibrator unit (4) about the rotating shaft, the grip part (1) further comprising a motor (5) generating a drive force driving the oscillation mechanism, the oscillation mechanism further comprising a shaft (9) connected to the motor (5), a first pulley (6) coaxially fitted to the shaft (9), a second pulley (7) coaxially fitted to the rotating shaft of the vibrator unit (4), and a wire (8) stretched to be laid out between the first pulley (6) and the second pulley (7).

(57) 要約: 本発明の超音波探触子は、体腔内に挿入される挿入部と、体腔外にて操作者により把持されるグリップ 部1とを有する。前記挿入部2は、振動子ユニット4と、これに設けられた回転軸と、振動子ユニット4を回転軸を ▶ 中心に揺動させる揺動機構とを有し、前記グリップ部1は、前記揺動機構を駆動する駆動力を発生するモータ5を 有する。前記揺動機構は、前記モータ5に連結されたシャフト9と、前記シャフト9に同軸的に取り付けられた第 1のプーリ6と、前記振動子ユニット4の回転軸に同軸的に取り付けられた第2のプーリ7と、前記第1のプーリ6と前記第2のプーリ7とに掛け渡されたワイヤ8とを有する。



International application No. PCT/JP03/16489

A CLAS	CIEICATION OF CUDIFCE NAATTED		
A. CLAS	SIFICATION OF SUBJECT MATTER .Cl ⁷ A61B8/12		
According	to International Patent Classification (IPC) or to both	national classification and IPC	•
	OS SEARCHED		
Minimum o Int	documentation searched (classification system followers). C1 ⁷ A61B8/12	d by classification symbols)	
Jits	tion searched other than minimum documentation to the searched other than a searched	Toroku Jitsuyo Shinan Koh	o · 1994–2004
Electronic of	data base consulted during the international search (na	me of data base and, where practicable, sea	rch terms used)
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C. DOCU	MENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where a	<u> </u>	Relevant to claim No.
A	JP 2001-327499 A (Aloka Co. 27 November, 2001 (27.11.01) Column 6, line 6 to column 8 to 3 (Family: none)	,	1-6
À	JP 2001-161694 A (Toshiba Co 19 June, 2001 (19.06.01), Figs. 2, 7 (Family: none)	orp.),	1-6
A	JP 63-21045 A (Matsushita El Co., Ltd.), 28 January, 1988 (28.01.88), Page 3, upper left column, l column, line 4; Fig. 1 & EP 253268 A1 & US		1-6
Furthe	er documents are listed in the continuation of Box C.	See patent family annex.	
<u></u>	categories of cited documents:		motional filing data as
"A" docume	ent defining the general state of the art which is not red to be of particular relevance	priority date and not in conflict with the	e application but cited to
"E" earlier of	locument but published on or after the international filing	"X" document of particular relevance; the cl	laimed invention cannot be
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special	reason (as specified) int referring to an oral disclosure, use, exhibition or other	considered to involve an inventive step	when the document is
means "P" docume	nt published prior to the international filing date but later priority date claimed	combined with one or more other such of combination being obvious to a person "&" document member of the same patent fa	skilled in the art
	ctual completion of the international search ebruary, 2004 (20.02.04)	Date of mailing of the international search 02 March, 2004 (02.)	
	ailing address of the ISA/ nese Patent Office	Authorized officer	
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International application No.
PCT/JP03/16489

Cotocom*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A A	US 5479929 A (Acuson Corp.), 02 January, 1996 (02.01.96), Column 3, lines 1 to 18; Fig. 1 (Family: none)	1-6
A	<pre>JP 10-179588 A (Toshiba Corp.), 07 July, 1998 (07.07.98), Column 9, lines 10 to 19; Fig. 3 (Family: none)</pre>	1-6
A	JP 2-57242 A (Matsushita Electric Industrial Co., Ltd.), 27 February, 1990 (27.02.90), Page 2, upper left column, line 12 to upper right column, line 12; Fig. 5 (Family: none)	1-6
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